DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING SERVICES
Office of Structural Materials
Quality Assurance and Source Inspection

Bay Area Branch
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Contract #: 04-0120F4
Cty: SF/ALA Rte: 80 PM: 13.2/13.9
File #: 69.28

WELDING INSPECTION REPORT

Resident Engineer: Siegenthaler, Peter
Address: 333 Burma Road
City: Oakland, CA 94607

Report No: WIR-023709
Date Inspected: 19-May-2011

Project Name: SAS Superstructure
Prime Contractor: American Bridge/Fluor Enterprises, a JV
Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island

OSM Arrival Time: 700
OSM Departure Time: 1900
Location: Shanghai, China

CWI Name:	N/A			**CWI Present:**	☑ Yes	☐ No		
Inspected CWI report:	☐ Yes	☐ No	☑ N/A	**Rod Oven in Use:**	☐ Yes	☐ No	☑ N/A	
Electrode to specification:	☐ Yes	☐ No	☑ N/A	**Weld Procedures Followed:**	☐ Yes	☐ No	☑ N/A	
Qualified Welders:	☐ Yes	☐ No	☑ N/A	**Verified Joint Fit-up:**	☐ Yes	☐ No	☑ N/A	
Approved Drawings:	☐ Yes	☐ No	☑ N/A	**Approved WPS:**	☐ Yes	☐ No	☑ N/A	
				Delayed / Cancelled:	☐ Yes	☑ No	☐ N/A	

Bridge No: 34-0006
Component: OBG Trial Assembly

Summary of Items Observed:

On this date Caltrans OSM Quality Assurance (QA) Inspector Mr. S. Manjunath Math was present during the time noted above for observations relative to the work being performed.

This QA Inspector randomly observed the following work in progress:

Orthotropic Box Girder (OBG) at Trial Assembly Areas

Bike Path Traveler Rails at Bay # 5

This QA Inspector performed Dimension Control Inspection on the Bike Path Traveler Rails 29BK1-001 for the following measurements and observed measured dimension in compliance contact document. Inspection was performed against the Inspection Notification # 09167 at Bay # 5.

Traveler Rails Thickness at typical section.

Traveler Rails Flange width at typical section.

Traveler Rails Depth at typical section.

Traveler Rails Flange curl at typical section.

Traveler Rails Traveler Rail length.

Traveler Rails Horizontal Curving.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition. The result of the inspection was informed to ZPMC QC Liu Fawen, ABF Mr. Wang Zhong Yuan and Caltrans Lead Inspector Mr. Mark Miller.

Bike Path Traveler Rails at Bay # 5

This QA Inspector performed Dimension Control Inspection on the Traveler Rails 27BK1-001 for the following measurements and observed measured dimension in compliance contact document. Inspection was performed against the Inspection Notification # 09167 at Bay # 5.

Traveler Rails Thickness at typical section.

Traveler Rails Flange width at typical section.

Traveler Rails Depth at typical section.

Traveler Rails Flange curl at typical section.

Traveler Rails Traveler Rail length.

Traveler Rails Horizontal Curving.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition. The result of the inspection was informed to ZPMC QC Mr. Liu Fawen, ABF Mr. Wang Zhong Yuan and Caltrans Lead Inspector Mr. Mark Miller.

Bike Path Traveler Rails at Bay # 5

This QA Inspector performed Dimension Control Inspection on the Traveler Rails 29BK2-001 for the following measurements and observed measured dimension in compliance contact document. Inspection was performed against the Inspection Notification # 09167 at Bay # 5.

Traveler Rails Thickness at typical section.

Traveler Rails Flange width at typical section.

Traveler Rails Depth at typical section.

Traveler Rails Flange curl at typical section.

Traveler Rails Traveler Rail length.

Traveler Rails Horizontal Curving.

The measurements were recorded in the Dimension Control Plan (DCP) on a separate form and submitted to the Lead Inspector and Engineer for review and disposition. The result of the inspection was informed to ZPMC QC Mr. Liu Fawen, ABF Mr. Wang Zhong Yuan and Caltrans Lead Inspector Mr. Mark Miller.

Please reference the pictures attached for more comprehensive details.

Segment 13AW (Deck Panel Diaphragm Plumbness and Flatness)

This QA Inspector performed Dimensional Inspection for measuring Deck Panel Diaphragm Plumbness and Flatness along with ABF QA Inspector for the Segment 13AW at the following locations:

The Deck Panel to the Deck Panel Diaphragm plate plumbness and flatness were measured from east and west side of the Deck Panel Diaphragm at Panel Points (PP) at Panel Points (PP) 117.5, 118 and PP 118.35. The QA Inspector measured the plumbness using carpenter square and performed flatness check using 710mm Straight Edge.

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

Summary of Conversations:

No relevant conversations were reported on this date.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang 15000422372, who represents the Office of Structural Materials for your project.

Inspected By:	Math,Manjunath	Quality Assurance Inspector
Reviewed By:	Miller,Mark	QA Reviewer